

89/442,909

Set	Items	Description
S1	904916	DICTIONAR??? OR LIST??? OR TABLE? ? OR MATRIX OR MATRICES - OR ARRAY? ? OR DATA()STRUCTURE? ?
S2	646191	RECORD? ? OR ENTRY OR ENTRIES OR ITEM? ?
S3	204563	INQUIR??? OR ENQUER??? OR QUER??? OR INSTRUCTION? ?
S4	1006916	POLL? ? OR POLLING OR POLLED OR CHECK??? OR TEST??? OR VER- IF????
S5	1120378	CENTRAL???? OR SHARE? ? OR SHARING OR COMMON?? OR HOST? ?
S6	433931	NETWORK? ? OR WAN OR LAN
S7	1269589	COMPUTER? ? OR PC OR WORKSTATION? ? OR WORK()STATION? ? OR MICROCOMPUTER? ?
S8	5277614	NODE? ? OR DEVICE? ? OR CLIENT? ?
S9	3195502	STATE? ? OR CONDITION? ? OR CONFIGUR?????? OR STATUS??
S10	453149	S8(5N) ("ON" OR OFF OR BUSY)
S11	34321	(PRESENT OR PRESENCE OR EXIST???? OR DISTRIBUT??? OR CONFI- GUR?????? OR UPDAT???) (3N) (FILE? ? OR PROGRAM? ? OR SOFTWARE - OR APPLICATION? ?)
S12	2994722	GROUP? ? OR ORGANIZ????? OR ARRANG????? OR CLASSIF???????
S13	2151011	SUBJECT? ? OR CATEGOR????????? OR TYPE? ? OR TOPIC? ? OR CL- ASS??
S14	23084	S1(3N)S2:S4
S15	4934	S6(3N)S4
S16	590222	S9:S11(5N)S7:S8
S17	56111	S2:S4(5N)S12:S13
S18	4	S14 AND S15 AND S16 AND S17
S19	175	S5(2N)S14
S20	50	S19 AND S12:S13
S21	16	S19 AND S16
S22	64	S20:S21
S23	45	S22 AND IC=G06F
S24	37	S23 NOT AD=19991118:20021118/PR
S25	28	S24 NOT AD=20021118:20051109/PR
S26	28	S25 NOT S18
S27	22	S14 AND S6 AND S16 AND S17
S28	18	S27 NOT (S18 OR S26)
S29	959098	TERMINAT??? OR STOP????? OR CEASE? ? OR CESSATION OR CEASING
S30	3273466	ABORT??? OR END??? OR EXIT??? OR FINISH???
S31	26739	S3:S4(5N)S29:S30
S32	381	S31 AND S14
S33	28	S32 AND S6
S34	27	S33 NOT (S18 OR S26 OR S28)
S35	45	S28 OR S34
S36	30	S35 NOT AD=19991118:20021118/PR
S37	26	S36 NOT AD=20021118:20051109/PR
S38	52250	(INFORMATION OR S9) (2N) (GATHER??? OR S3 OR S4)
S39	995	S38(5N)S6
S40	20	S39 AND S14
S41	19	S40 NOT (S18 OR S26 OR S28 OR S37)
S42	8	S41 NOT AD=19991118:20021118/PR
S43	7	S42 NOT AD=20021118:20051109/PR

File 347:JAPIO Nov 1976-2005/Jul(Updated 051102)  
(c) 2005 JPO & JAPIO  
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200571  
(c) 2005 Thomson Derwent  
? logoff hold  
09nov05 10:49:34 User259273 Session D199.4

43/5/5 (Item 3 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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011524296 \*\*Image available\*\*

WPI Acc No: 1997-500782/199746

XRPX Acc No: N97-417476

**Failure detection method of network management system - involves  
detecting failure in network based on checking request information  
stored in checking request list**

Patent Assignee: NEC CORP (NIDE )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9238136	A	19970909	JP 9669485	A	19960229	199746 B

Priority Applications (No Type Date): JP 9669485 A 19960229

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 9238136	A	5	H04L-012/24	

Abstract (Basic): JP 9238136 A

The method involves transmitting checking request signal periodically to an exchange appts (10). The requested information corresponding to the request signal is received from the exchange appts. The received information is stored in **checking request list** in a network node.

The list is transmitted to a network management appts (100) in response to an enquiry signal. Failure of some network management appts is detected based on the information in the **checking request list**.

ADVANTAGE - Recognises failure generation of network management appts efficiently. Avoids incorrect recognition.

Dwg.1/2

Title Terms: FAIL; DETECT; METHOD; NETWORK; MANAGEMENT; SYSTEM; DETECT;  
FAIL; NETWORK; BASED; CHECK; REQUEST; INFORMATION; STORAGE; CHECK;  
REQUEST; LIST

Derwent Class: W01

International Patent Class (Main): H04L-012/24

International Patent Class (Additional): H04L-012/26

File Segment: EPI

26/5/18 (Item 8 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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012907568 \*\*Image available\*\*  
WPI Acc No: 2000-079404/200007  
XRPX Acc No: N00-062669

**Reset control method in computer system - involves performing reset process only when specified conditions are satisfied, when reset signal is issued from process system**

Patent Assignee: HITACHI LTD (HITA ); HITACHI SOFTWARE ENG CO LTD (HISF )  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11327695	A	19991126	JP 98131684	A	19980514	200007 B

Priority Applications (No Type Date): JP 98131684 A 19980514

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11327695	A		9 G06F-001/24	

Abstract (Basic): JP 11327695 A

NOVELTY - When reset signal (41) is issued from processing system, the host **computer** is reset only if specific **conditions** are satisfied otherwise host **computer** is not reset, so that other processing systems continue their process safely. DETAILED DESCRIPTION - The processing systems (20,70) are connected to a host computer (10) through a common host interface (40). A bus connection condition table (26) in processing system (20,70) records service condition of the bus. The current instruction status information is stored in instruction execution table (27). An INDEPENDENT CLAIM is also included for the information processing system.

USE - For information processing systems having several process systems connected to host computer through common interface.

ADVANTAGE - Enables performance of reset operation based on specific conditions and thereby guarantees continuation of operation of other healthy process systems reliably. Prevents generation of failure and thereby offers exact reset process. DESCRIPTION OF DRAWING(S) - The figure shows the conceptual diagram of information processing system. (10) Host computer; (20,70) Process systems; (26) Bus connection condition **table** ; (27) **Instruction** execution **table** ; (40) Host interface; (41) Reset signal.

Dwg.1/7

Title Terms: RESET; CONTROL; METHOD; COMPUTER; SYSTEM; PERFORMANCE; RESET; PROCESS; SPECIFIED; CONDITION; SATISFY; RESET; SIGNAL; ISSUE; PROCESS; SYSTEM

Derwent Class: T01; U21

International Patent Class (Main): G06F-001/24

International Patent Class (Additional): G06F-011/14

File Segment: EPI

37/5/9 (Item 9 from file: 347)  
DIALOG(R) File 347:JAPIO  
(c) 2005 JPO & JAPIO. All rts. reserv.

03077847 \*\*Image available\*\*  
TRANSMISSION CONTROL SYSTEM

PUB. NO.: 02-053347 [JP 2053347 A]  
PUBLISHED: February 22, 1990 (19900222)  
INVENTOR(s): SHINOMIYA TOMOHIRO  
AMAMIYA SHIGEO  
IGUCHI KAZUO  
SOEJIMA TETSUO  
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 63-205363 [JP 88205363]  
FILED: August 18, 1988 (19880818)  
INTL CLASS: [5] H04L-012/40; H04B-010/20; H04Q-005/00  
JAPIO CLASS: 44.3 (COMMUNICATION -- Telegraphy); 44.2 (COMMUNICATION --  
Transmission Systems); 44.4 (COMMUNICATION -- Telephone)  
JOURNAL: Section: E, Section No. 925, Vol. 14, No. 218, Pg. 74, May  
09, 1990 (19900509)

#### ABSTRACT

PURPOSE: To improve reliability and to miniaturize equipment scale by sending a polling signal, which corresponds to a **polling table**, to respective nodes from a **network termination** equipment and sending a signal as a correspondent response to this polling signal for the node.

CONSTITUTION: A **network termination** equipment 121 has a **polling table** 131, for which information concerning the communication capacity of respective nodes 111 is received, and executes polling to the respective nodes 111 based on this **polling table** 131. In the respective nodes, the signal is sent as the response to the polling signal which is sent from the **network termination** equipment 121. In such a manner, the multiplexing of the signal to be sent from the respective nodes 111 is executed in correspondence to the **polling** from the **network termination** equipment 121. Thus, the overlapping of transmission data is prevented and the reliability is improved. Then, a circuit is eliminated to execute timing control with cell monitor, etc., and the circuit scale is miniaturized.

37/5/16 (Item 4 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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012866248 \*\*Image available\*\*  
WPI Acc No: 2000-038081/200003  
Related WPI Acc No: 1999-276891  
XRPX Acc No: N00-028724

**Peripheral device such as network interface controller testing method  
in computer systems**

Patent Assignee: COMPAQ COMPUTER CORP (COPQ )  
Inventor: HARSANY J S; PERUGINI R; SUPAK R E  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5991897	A	19991123	US 96777902	A	19961231	200003 B
			US 98223537	A	19981230	

Priority Applications (No Type Date): US 96777902 A 19961231; US 98223537 A 19981230

**Patent Details:**

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5991897	A	29	G06F-011/273	Cont of application US 96777902

Abstract (Basic): US 5991897 A

NOVELTY - Independent test modules are provided with associated peripheral devices, **tests** and parameters. A front **end** program (210) permits selection of subset module from **list** of **test** modules. The **list** of selected subjects is provided to a dispatcher (216) which dispatches the test modules for execution according to the peripheral devices, tests and parameters.

USE - For computer systems.

ADVANTAGE - Test definition tool is provided to develop tests without using programming or scripts, and test personnel are allowed to easily create tests with bill of materials.

DESCRIPTION OF DRAWING(S) - The figure shows block diagram of diagnostic application.

Front end program (210)

Dispatcher (216)

pp; 29 DwgNo 2A/6

Title Terms: PERIPHERAL; DEVICE; **NETWORK** ; INTERFACE; CONTROL; TEST; METHOD; COMPUTER; SYSTEM

Derwent Class: T01

International Patent Class (Main): G06F-011/273

File Segment: EPI

37/5/7 (Item 7 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2005 JPO & JAPIO. All rts. reserv.

03642949 \*\*Image available\*\*

**NETWORK** CONSTITUTION INFORMATION COLLECTION SYSTEM

PUB. NO.: 04-008049 [JP 4008049 A]  
PUBLISHED: January 13, 1992 (19920113)  
INVENTOR(s): KIKUCHI MIYUKI  
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 02-110941 [JP 90110941]  
FILED: April 26, 1990 (19900426)  
INTL CLASS: [5] H04M-003/22; G06F-013/00; H04L-012/24; H04L-012/26;  
H04M-003/08  
JAPIO CLASS: 44.4 (COMMUNICATION -- Telephone); 44.3 (COMMUNICATION --  
Telegraphy); 45.2 (INFORMATION PROCESSING -- Memory Units)  
JOURNAL: Section: E, Section No. 1190, Vol. 16, No. 154, Pg. 109,  
April 15, 1992 (19920415)

ABSTRACT

PURPOSE: To automatically collect data by adding sequentially collection data generating processing to a basic data table at generation of constitution information, referencing a view point set to the collation condition table for each layer and displaying the collection data onto a display device automatically based on the collection table for each view point.

CONSTITUTION: A basic data such as name and classification of equipment and district is set to a basic data table 1. Whether or not check of all layers of a collection condition table 2 setting view points for each of all layers is **finished** is **checked**. When the **check** is **finished**, the setting is **finished** and when the **check** is not **finished**, the view point of the set layer is referenced and extracted. The basic data table 1 is retrieved based on the extracted view point to generate and process the collection table 3 collecting name of equipments for each view point. All the layers of the collection condition **table** are **checked** again and the processing is repeated till **check** of all the layers is **finished**.

37/5/4 (Item 4 from file: 347)  
DIALOG(R) File 347:JAPIO  
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05683741 \*\*Image available\*\*  
SYSTEM FOR ASSUMING NON-RESPONSE EQUIPMENT

PUB. NO.: 09-298541 [JP 9298541 A]  
PUBLISHED: November 18, 1997 (19971118)  
INVENTOR(s): OKI KATSUHIRO  
KUMANO SATOSHI  
MAEDA HIDEKI  
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 08-112563 [JP 96112563]  
FILED: May 07, 1996 (19960507)  
INTL CLASS: [6] H04L-012/24; H04L-012/26  
JAPIO CLASS: 44.3 (COMMUNICATION -- Telegraphy); 44.2 (COMMUNICATION --  
Transmission Systems)

#### ABSTRACT

PROBLEM TO BE SOLVED: To remove invalid time out of monitoring time inside a monitor **network** by excluding a device to be monitored which is assumed not feasible to monitor being interrupted by a monitor disability detected device, out of objects of periodical monitoring.

SOLUTION: Communication equipment to assume the state of no response from the constitution of the monitor **network** through the transfer disability of a polling signal POL in the case of turning each piece of communication equipment to non-response state is stored as relational equipment in a relational equipment **table** 43a. When a **polling** processing part 33 detects any change in the equipment state of communication equipment, **polling** processing is **stopped** and a non-response equipment assuming part 37a is actuated. While referring to the relational equipment table 43a, the equipment state of relational equipment inside an equipment state table 42 corresponding to the communication equipment in the non-response state is undated into the non-response state (estimation) by the non-response equipment assuming part 37a. Afterwards, the polling processing part 33 omits polling processing to the communication equipment of which the non-response state (estimation) is stored in the table 42.

37/5/22 (Item 10 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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010606263 \*\*Image available\*\*  
WPI Acc No: 1996-103216/199611  
XRPX Acc No: N96-086629

Communication protocol fault analysis device - has diagnostic execution mechanism which outputs history of communication state stored by communication state record table diagnostic group result with reference to diagnostic information database

Patent Assignee: NEC SOFTWARE CHUGOKU LTD (NIDE )  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8008998	A	19960112	JP 94139252	A	19940622	199611 B

Priority Applications (No Type Date): JP 94139252 A.19940622

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 8008998	A	9	H04L-029/14	

Abstract (Basic): JP 8008998 A

The device has a composition information database which describes a composition information on a **network** which includes a message collection device that monitors and collects a communication message on a transmission line. A communication message collector then acquires the communication message collected at fixed time after a start indicated by a communication executing mechanism and a communication message **record table** carries out a temporary memory.

The communication executing mechanism then directs a collection start of the communication message to all collection **devices** on all routes which demands start of a test communication to the terminal of a transmission origin selected with a monitoring route generator. A trouble is then analysed from the history of a communication state. It has a communication message prediction mechanism which predicts the communication message with reference to a communication format database and a protocol state-transition database based on newest communication state is stored by the communication state **record table**.

ADVANTAGE - Analyses communication protocol fault generated in large scale **network**. Response quickly to fault generation.

Dwg.1/9

Title Terms: COMMUNICATE; PROTOCOL; FAULT; ANALYSE; DEVICE; DIAGNOSE; EXECUTE; MECHANISM; OUTPUT; HISTORY; COMMUNICATE; STATE; STORAGE; COMMUNICATE; STATE; RECORD; TABLE; DIAGNOSE; GROUP; RESULT; REFERENCE; DIAGNOSE; INFORMATION; DATABASE

Derwent Class: T01; W01

International Patent Class (Main): H04L-029/14

International Patent Class (Additional): G06F-013/00

File Segment: EPI



37/5/17 (Item 5 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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011956702 \*\*Image available\*\*  
WPI Acc No: 1998-373612/199832  
XRPX Acc No: N98-293257

Network monitoring system - stores state information of each node  
in state information storing table which is then transmitted depending  
on polling data received from monitoring apparatus

Patent Assignee: FUJITSU LTD (FUJIT )  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10150493	A	19980602	JP 96308983	A	19961120	199832 B

Priority Applications (No Type Date): JP 96308983 A 19961120

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 10150493	A	9	H04M-003/22	

Abstract (Basic): JP 10150493 A

The system includes a monitoring apparatus (1) which monitors multiple mode groups (2) containing nodes (3). A **group polling table** (1b) and a **polling member** (1a) for each node **group** is set in the monitoring apparatus. A main **node** is provided on the **group polling table** and is different for each **polling** period of each **group**. The **state** information of each **node** is stored in a **state information storing table** (3d). The time at which the parent node in each **group** varies corresponding to predefined **polling** period is set in a **polling time table** (3e).

Each group has a sub-**node** that transmits **state** information of an auto **node** to the main node of an auto **group**, before the ellapse of **polling** period. The **condition** of each **node** in the group is collected by the main **node** and is stored in the **state** information storing table. The stored **node** information is transmitted depending upon the polling data received from the monitoring apparatus.

ADVANTAGE - Does not affect other node, when specific **node** is in monitoring inability **state**. Improves communication efficiency.

Dwg.1/7

Title Terms: **NETWORK**; MONITOR; SYSTEM; STORAGE; STATE; INFORMATION; NODE; STATE; INFORMATION; STORAGE; TABLE; TRANSMIT; DEPEND; POLL; DATA; RECEIVE; MONITOR; APPARATUS

Derwent Class: W01

International Patent Class (Main): H04M-003/22

International Patent Class (Additional): H04L-012/24; H04L-012/26;

H04L-012/40

File Segment: EPI

37/5/19 (Item 7 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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010948125

WPI Acc No: 1996-445075/199645

XRPX Acc No: N96-374779

**Cyclic selective poll management device for network resource monitor -  
executes in parallel two sub-processes which empty poll table and  
fill wait table and vice versa while replies are awaited.**

Patent Assignee: BULL SA (SELA )

Inventor: DOUMARD R; DOUMMAR R

Number of Countries: 012 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 736831	A1	19961009	EP 96400721	A	19960403	199645 B
FR 2732788	A1	19961011	FR 954093	A	19950406	199648
CA 2172332	A	19961007	CA 2172332	A	19960321	199706
JP 8339317	A	19961224	JP 9682731	A	19960404	199710
US 5774732	A	19980630	US 96622304	A	19960327	199833
CA 2172332	C	20000222	CA 2172332	A	19960321	200029

Priority Applications (No Type Date): FR 954093 A 19950406

Cited Patents: 1.Jnl.Ref; WO 9310495

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 736831	A1	F	7	G06F-011/30	
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Designated States (Regional): BE DE ES FI FR GB IE IT SE

CA 2172332	C	F		H04L-012/26	
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CA 2172332	A	F		H04L-012/26	
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JP 8339317	A		6	G06F-011/30	
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FR 2732788	A1			G06F-011/30	
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US 5774732	A			G06F-013/00	
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Abstract (Basic): EP 736831 A ?

The device has an indexed data table contains data for each request to be transmitted, with its own index and theoretical transmission time. A **poll table** containing the request indices and transmission dates is sorted in date order. A wait table, indexed with the indices of requests transmitted in expectation of replies, contains the dates of the next transmissions.

The first subprocess, started by placement of a call in the **poll table** by the second subprocess, is **stopped** when the **poll table** is empty. The second subprocess, initiated when a current request is answered, fills the **poll table**, empties the wait table and is stopped when no more replies are expected.

ADVANTAGE - High performance is achieved with a procedure involving only one processing operation.

Dwg.0/0

Title Terms: CYCLIC; SELECT; POLL; MANAGEMENT; DEVICE; **NETWORK** ; RESOURCE; MONITOR; EXECUTE; PARALLEL; TWO; SUB; PROCESS; EMPTY; POLL; TABLE; FILL; WAIT; TABLE; VICE; REPLY; AWAIT

Derwent Class: T01

International Patent Class (Main): G06F-011/30; G06F-013/00; H04L-012/26

International Patent Class (Additional): G06F-019/00; H04L-012/24

File Segment: EPI

43/5/2 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
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01474848 \*\*Image available\*\*  
STATE INFORMATION CONTROL SYSTEM OF COMPUTER NETWORK

PUB. NO.: 59-186448 [JP 59186448 A]  
PUBLISHED: October 23, 1984 (19841023)  
INVENTOR(s): SATO KEIJI  
KIMOTO TAKASHI  
NAKAMURA YOSHIHIRO  
FUKATSU SADAO  
WATABE NOBUO  
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 58-061764 [JP 8361764]  
FILED: April 08, 1983 (19830408)  
INTL CLASS: [3] H04L-011/00; G06F-015/16; G06F-011/34  
JAPIO CLASS: 44.3 (COMMUNICATION -- Telegraphy); 45.1 (INFORMATION  
PROCESSING -- Arithmetic Sequence Units); 45.4 (INFORMATION  
PROCESSING -- Computer Applications)  
JOURNAL: Section: E, Section No. 299, Vol. 09, No. 47, Pg. 88,  
February 27, 1985 (19850227)

ABSTRACT

PURPOSE: To increase a response time and reduce the load of a computer network by providing a control computer with a state information table stored with state information on each computer and measuring the elapsed time from the point of time when the state information is collected and stored, deciding on whether the measured value is 'effective' or 'ineffective', and returning the state information in the state information table at an inquiry from an optional computer only when its measured value is 'effective'.

CONSTITUTION: When a requesting compute All transmits a state information request command to the control computer 15 through a packet switching network 14, the control computer 15 checks whether its state information is effective or ineffective 21 and requests computers B-N to transfer state information successively when ineffective. The computers B-N when receiving the request from the control computer 15 return their pieces of state information to the control computer 15. The control computer 15 stores the pieces of state information from the respective computers in the state information table and an effective/ineffective flag 21 is changed into 'effective' when the pieces of state information from all the computers are stored to start clocking by an unshown timer while transferring the state information to the requesting computer All. When the timer operates up to an optional set time, it enters a time-out state and changes said flag into 'ineffective'.

18/5/2 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
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04161427 \*\*Image available\*\*  
NETWORK MANAGING DEVICE

PUB. NO.: 05-153127 [JP 5153127 A]  
PUBLISHED: June 18, 1993 (19930618)  
INVENTOR(s): OGAWA TETSUO  
APPLICANT(s): KAWASAKI STEEL CORP [000125] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 03-337844 [JP 91337844]  
FILED: November 27, 1991 (19911127)  
INTL CLASS: [5] H04L-012/28; G06F-013/00  
JAPIO CLASS: 44.3 (COMMUNICATION -- Telegraphy); 45.2 (INFORMATION PROCESSING -- Memory Units)  
JOURNAL: Section: E, Section No. 1442, Vol. 17, No. 545, Pg. 25, September 30, 1993 (19930930)

#### ABSTRACT

PURPOSE: To attain the active **state** polling of each **node** connected with the same network according to a single active state polling request, even when the protocol of a data link layer or the like is different.  
CONSTITUTION: The plural nodes whose protocols are not the same are connected with a **network** L. When a **polling** command requesting means 12 accepts the single active **state** **polling** request, a **node classification** judging means 14 judges the protocol classification of the objective node of the polling request by using anode attribute **table** 16. A **polling** means 18 operates the active state polling according to the judged result. Therefore, the single active state polling can be attained.

26/5/4 (Item 4 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05715389 \*\*Image available\*\*  
MULTIUSER IMAGE FORMING DEVICE

PUB. NO.: 09-330189 [JP 9330189 A]  
PUBLISHED: December 22, 1997 (19971222)  
INVENTOR(s): GOTO HIROSHI  
APPLICANT(s): RICOH CO LTD [000674] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 08-168383 [JP 96168383]  
FILED: June 08, 1996 (19960608)  
INTL CLASS: [6] **G06F-003/12** ; B41J-029/38  
JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units); 29.4  
(PRECISION INSTRUMENTS -- Business Machines)

#### ABSTRACT

PROBLEM TO BE SOLVED: To improve print efficiency and the throughput of a host device by informing each host **device** of the allocation **state** of trays, etc., and enabling each host device to make a print indication with efficiency.

SOLUTION: A host I/F 31 sends and receives data to and from external host devices 2 independently of each other. A print state table 342 stores the allocation state of a paper feed tray 6, the allocation state of a paper discharge tray 8, and the print state and fault occurrence state of received print data by host I/Fs 31. A print state answer part 353 when inquired of by a host **device** 2 about those **states** sends the states corresponding to all the host I/Fs 31 which are stored in the print state **table** 342 to the **inquiring host** device 2.

37/5/18 (Item 6 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.

011113799 \*\*Image available\*\*  
WPI Acc No: 1997-091724/199709  
XRPX Acc No: N97-075631

IPS with checking device in processor - has notification device that  
notifies processor contents after reading input-output instruction  
finalization and finalizing state from data transfer finalizing managed  
table to check instruction from processor

Patent Assignee: NEC KOFU LTD (NIDE )  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8328988	A	19961213	JP 95132230	A	19950530	199709 B

Priority Applications (No Type Date): JP 95132230 A 19950530

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 8328988	A	5	G06F-013/12	

Abstract (Basic): JP 8328988 A

The IPS has a transfer finalizing check instruction which checks the finalization of an input-output instruction and finalization state in which the data transfer to an input-output unit (501) are indicated to a **network** (201) connected between several processors (101). The data transfer finalizing managed table (601) in a data transfer processing equipment (401) is held to the input-output **instruction** indicated from the processor. A **termination** sensor and a state sensor detects the termination and the finalizing state of the input-output instruction respectively.

A common memory unit (301) stores the data obtd. by the termination sensor and the state sensor in the data transfer finalizing managed table. The finalization of the input-output instruction and the finalization state from the data transfer finalizing managed table to the transfer finalizing check instruction from the processor are read by a reader. The contents of the processor are notified by a notification device.

ADVANTAGE - Eliminates overhead to interruption processing and improves engine performance.

Dwg.1/5

Title Terms: CHECK; DEVICE; PROCESSOR; NOTIFICATION; DEVICE; NOTIFICATION;  
PROCESSOR; CONTENT; AFTER; READ; INPUT; OUTPUT; INSTRUCTION; STATE; DATA;  
TRANSFER; TABLE; CHECK; INSTRUCTION; PROCESSOR

Derwent Class: T01

International Patent Class (Main): G06F-013/12

International Patent Class (Additional): G06F-015/163

File Segment: EPI

43/5/4 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.

012290061 \*\*Image available\*\*

WPI Acc No: 1999-096167/199908

XRPX Acc No: N99-069936

**Intelligent roaming using network information e.g. for cellular telephone  
- having cellular telephone identifying preferable cellular service  
provides in multi service provider environment using search schedule  
based on information gathered by cellular telecommunications network**

Patent Assignee: AT & T WIRELESS SERVICES INC (AMTT )

Inventor: RAFFEL M A; RAFFAEL M A

Number of Countries: 022 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9901001	A1	19990107	WO 98US12266	A	19980612	199908	B
EP 992167	A1	20000412	EP 98929031	A	19980612	200023	
			WO 98US12266	A	19980612		
TW 376673	A	19991211	TW 98110178	A	19980624	200043	
US 6223042	B1	20010424	US 97883111	A	19970626	200125	
MX 9911892	A1	20000501	MX 9911892	A	19991216	200129	
CA 2444185	A1	19990107	CA 2294432	A	19980612	200416	
			CA 2444185	A	19980612		
CA 2294432	C	20040330	CA 2294432	A	19980612	200424	
			WO 98US12266	A	19980612		
EP 992167	B1	20050511	EP 98929031	A	19980612	200536	
			WO 98US12266	A	19980612		
DE 69830172	E	20050616	DE 98630172	A	19980612	200540	
			EP 98929031	A	19980612		
			WO 98US12266	A	19980612		

Priority Applications (No Type Date): US 97883111 A 19970626

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9901001	A1	E	42	H04Q-007/32	
				Designated States (National):	CA MX
				Designated States (Regional):	AT BE CH CY DE DK ES FI FR GB GR IE IT LU
				MC NL PT SE	
EP 992167	A1	E		H04Q-007/32	Based on patent WO 9901001
				Designated States (Regional):	DE FR GB
TW 376673	A			H04Q-007/20	
US 6223042	B1			H04Q-007/38	
MX 9911892	A1			H04Q-007/32	
CA 2444185	A1	E		H04Q-007/36	Div ex application CA 2294432
CA 2294432	C	E		H04Q-007/32	Based on patent WO 9901001
EP 992167	B1	E		H04Q-007/32	Based on patent WO 9901001
				Designated States (Regional):	DE FR GB
DE 69830172	E			H04Q-007/32	Based on patent EP 992167
					Based on patent WO 9901001

Abstract (Basic): WO 9901001 A

The method involves retrieving, from the network, information related to registrations on the network. A frequency band search schedule based, at least in part, on the information, is established for the cellular telephone, the search schedule includes a number of **items listed** in a set order. The registrations include registrations made by the wireless communication device.

The registrations include registrations made by cellular telephone other than the cellular telephone. The items are selected from the

group consisting of frequencies, System Operator Codes and System Identifier Codes. The information includes the location of the cellular telephone during the last registration. The information includes the service provider that completed the last call made by the device.

ADVANTAGE - provides improved intelligent roaming technique in which **information gathered** by wireless **network** is used to formulate optimal search schedule.

Dwg.1/12

Title Terms: INTELLIGENCE; NETWORK; INFORMATION; CELLULAR; TELEPHONE;  
CELLULAR; TELEPHONE; IDENTIFY; PREFER; CELLULAR; SERVICE; MULTI; SERVICE;  
ENVIRONMENT; SEARCH; SCHEDULE; BASED; INFORMATION; GATHER; CELLULAR;  
TELECOMMUNICATION; NETWORK

Derwent Class: W01; W02

International Patent Class (Main): H04Q-007/20; H04Q-007/32; H04Q-007/36;  
H04Q-007/38

International Patent Class (Additional): H04Q-007/24

File Segment: EPI



26/5/8 (Item 8 from file: 347)  
DIALOG(R)File 347:JAPIO  
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02704539 \*\*Image available\*\*  
SHARED PROGRAM UTILIZING SYSTEM AT PROGRAM EXECUTION TIME

PUB. NO.: 64-002139 [JP 64002139 A]  
PUBLISHED: January 06, 1989 (19890106)  
INVENTOR(s): UMATANI SUSUMU  
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 62-158111 [JP 87158111]  
FILED: June 25, 1987 (19870625)  
INTL CLASS: [4] G06F-009/06 ; G06F-009/44 ; G06F-009/46  
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units)  
JOURNAL: Section: P, Section No. 860, Vol. 13, No. 165, Pg. 83, April  
20, 1989 (19890420)

#### ABSTRACT

PURPOSE: To shorten processing time at the time of program execution by directly transferring the execution from a shared program reference program to a shared program without using an exception processing.

CONSTITUTION: By a program loader 15 provided at a main memory device 11 from a disc device 12, a shared program 20 is loaded as a shared program 14, a **shared** program **entry** label name **table** 19 is loaded as a **shared** program **entry** label **table** 13, and a shared program reference program 23 is loaded as a shared program reference program 17 respectively. Thus, the reference solution of the shared program is executed at the time of loading of the shared program reference program by an address re-**arrangement** means with the program loader, control can be transferred to the shared program as if it were a sub-routine call from the shared program reference program at the time of execution, and the processing time can be shortened at the time of the execution.

Set	Items	Description
S1	282695	NETWORK? ? OR WAN OR LAN
S2	37944	S1(5N) (MONITOR??? OR MANAG????? OR POLL??? OR STATE??)
S3	27916	DICTIONAR??? OR LIST??? OR TABLE? ? OR MATRIX OR MATRICES - OR DATA()STRUCTURE? ?
S4	22012	RECORD? ? OR ENTRY OR ENTRIES OR ITEM? ?
S5	20391	INQUIR??? OR ENQUER??? OR QUER??? OR INSTRUCTION? ?
S6	26300	POLL? ? OR POLLING OR POLLED OR CHECK??? OR TEST??? OR VER- IF????
S7	8619	S3(3N)S4:S6
S8	797	S7(10N) (GROUP? ? OR ORGANIZ????? OR ARRANG????? OR CLASSIF- ?????????)
S9	1138	S7(10N) (SUBJECT? ? OR CATEGORI????????? OR TYPE? ? OR TOPIC? ? OR CLASS??)
S10	1689	S8:S9
S11	28245	COMPUTER? ? OR PC OR WORKSTATION? ? OR WORK()STATION? ? OR MICROCOMPUTER? ?
S12	33743	NODE? ? OR DEVICE? ? OR CLIENT? ?
S13	35990	STATE? ? OR CONDITION? ? OR CONFIGUR?????? OR STATUS??
S14	17229	S13(5N)S11:S12
S15	122	S10(100N)S14
S16	69	S15 AND IC=G06F
S17	43	S16 NOT AD=19991118:20021118/PR
S18	29	S17 NOT AD=20021118:20051109/PR

File 348:EUROPEAN PATENTS 1978-2005/Oct W04

(c) 2005 European Patent Office

File 349:PCT FULLTEXT 1979-2005/UB=20051103,UT=20051027

(c) 2005 WIPO/Univentio

? logoff hold

09nov05 13:45:00 User259273 Session D200.7

18/3,K/20 (Item 11 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00543726 \*\*Image available\*\*

**CHANGE MONITORING SYSTEM FOR A COMPUTER SYSTEM**

**DISPOSITIF DE CONTROLE DE MODIFICATIONS POUR SYSTEME INFORMATIQUE**

Patent Applicant/Assignee:

WESTINGHOUSE ELECTRIC COMPANY LLC,

Inventor(s):

CICCONE Lawrence T Jr,

CAMDEN Thomas M Jr,

ALTMAN Duane E,

FULLER Charles F,

KOPP Harold J,

THEE Gwen,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200007099 A1 20000210 (WO 0007099)

Application: WO 99US15352 19990707 (PCT/WO US9915352)

Priority Application: US 98126789 19980731

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE  
GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN  
MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA  
ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY  
DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML  
MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 10138

Main International Patent Class: **G06F-009/44**

International Patent Class: **G06F-009/445 ...**

**... G06F-011/22 ...**

**... G06F-011/32**

Fulltext Availability:

Detailed Description

Detailed Description

... g., products that have similarities, such as Microsoft Office or pieces of operating systems), and **check lists** (e.g., **groups** of products for particular platforms which are used to **configure** a user **node** ; locations of files employed to reload a user node). Thus, for example, an HP 735...

18/3,K/21 (Item 12 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00541083 \*\*Image available\*\*

**METHOD AND APPARATUS FOR INTERACTING WITH A SOURCE CODE CONTROL SYSTEM  
PROCEDE ET DISPOSITIF CAPABLE D'INTERACTION AVEC UN SYSTEME DE COMMANDE EN  
CODE ORIGINE**

Patent Applicant/Assignee:

PLATINUM TECHNOLOGY IP INC,

Inventor(s):

MASON Matthew J,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200004456 A1 20000127 (WO 0004456)

Application: WO 99US15826 19990714 (PCT/WO US9915826)

Priority Application: US 98115273 19980714

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE  
GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK  
MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU  
ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH  
CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW  
ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 17786

Main International Patent Class: **G06F-015/00**

Fulltext Availability:

Claims

Claim

... by environment, and  
current release; and  
said step of producing said package based reports  
includes **organizing** a **list** of **items** by at least one of  
items modified by packages, packages by state, time in  
state...

...configuration

management system by dragging and dropping them into  
said representation displayed on said display **device** .

75 The **configuration** management system according  
to Claim 73, further comprising:  
means for checking out objects within said...

18/3,K/22 (Item 13 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00526269

**EMBEDDED NETWORK MANAGEMENT SYSTEM**  
**SYSTEME INCORPORE DE GESTION DE RESEAU**

Patent Applicant/Assignee:

BARBER-COLEMAN COMPANY,

Inventor(s):

ADAMS Robert A,

ALLGOOD Ottie E,

SAUNDERS Andrew T,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9957621 A2 19991111

Application: WO 99US9650 19990503 (PCT/WO US9909650)

Priority Application: US 9872794 19980505

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

CA AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 12389

Main International Patent Class: **G06F**

Fulltext Availability:

Detailed Description

Detailed Description

... XUSHORT usNumNVs;

XBYTE btVersionSNVTStruct;

XUSHORT usSNVTStructAddress;

CMR ADDRESS sNodeAddress;

ADDRESS DATA asAddressData[MAX-NUM-ADDR- **TABLE - ENTRIES** ];

I NODE-DA;fa;

Parameter Description

eNodeType - enumeration indicating the **type** of node.

NODE TYPE UNKNOWN 0

NODE TYPE-SELF I

NODE TYPE PERMANENT 2

NODE...

...Neuron Chip

IdString - the devices program id.

38

SUBSTITUTE SHEET (RULE 26)

eNodeState - the current **state** of the **node** .

**NODE** UNKNOWN 0

NODE-UNCOMMISSIONED I

NODE ONLINE 2

NODE OFFLINE 3

bitAddressCount - the number of entries in the nodes address table per the nodes ReadOnly data bitAddressesUsed - the number of **entries** in the address **table** currently used. This is used when processing **groups** to determine if the node can be added to a new group.

bitHostedNode - TRUE if...

18/3,K/23 (Item 14 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00499104 \*\*Image available\*\*

**A METHOD AND APPARATUS RELATING TO MESSAGING IN A DISTRIBUTED COMMUNICATION SYSTEM**

**SYSTEME DE COMMUNICATIONS ET PROCEDE D'ENVOI DE MESSAGES DANS UN SYSTEME DE COMMUNICATIONS**

Patent Applicant/Assignee:

TELEFONAKTIEBOLAGET LM ERICSSON (publ),

Inventor(s):

VASELL Jesper,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9930456 A2 19990617

Application: WO 98SE2177 19981130 (PCT/WO SE9802177)

Priority Application: SE 974565 19971208

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH  
GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW  
MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH  
GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES  
FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN  
TD TG

Publication Language: English

Fulltext Word Count: 9434

Main International Patent Class: **G06F-015/16**

International Patent Class: **G06F-009/46**

Fulltext Availability:

Detailed Description

Detailed Description

... old" node,

260. In an alternative embodiment function type FS may be introduced into the **state** table of an old **node** containing no information whatsoever thereon, for example in a system in which it is supposed...

...message to type FS operation

command, 310. A search is then performed in the state **table** for an **entry** of function **type** FS, ...such a request is received in an old node, the distribution manager of the old **node** checks its **state** table to see if there is any information about function typ FS, 350. A check...

18/3,K/24 (Item 15 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00467850 \*\*Image available\*\*

**SYSTEM AND METHOD FOR SERVER-SIDE OPTIMIZATION OF DATA DELIVERY ON A  
DISTRIBUTED COMPUTER NETWORK**

**SYSTEME ET PROCEDE D'OPTIMISATION COTE SERVEUR DE LA FOURNITURE DE DONNEES  
SUR UN RESEAU D'INFORMATIQUE DISTRIBUEE**

Patent Applicant/Assignee:

INTERVU INC,  
KENNER Brian,  
COLBY Kenneth W,  
MUDRY Robert N,

Inventor(s):

KENNER Brian,  
COLBY Kenneth W,  
MUDRY Robert N,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9858315 A1 19981223  
Application: WO 98US12784 19980616 (PCT/WO US9812784)  
Priority Application: US 97878385 19970618

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GW HU  
ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ  
PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH GM KE  
LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR  
GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 14482

Main International Patent Class: **G06F-009/46**

International Patent Class: **G06F-017/30**

Fulltext Availability:

Detailed Description

Detailed Description

... use the

system will' be provided, in a preferred embodiment, with software which  
includes a **configuration** utility and a **client** program. The  
**configuration** utility is used first to determine which delivery sites  
provide improved performance for that particular...

...service provider. This delivery site file contains a list of available  
delivery sites and a **list** of network **tests** to be run.

The **types** of tests and frequency of testing to be performed may be  
specified in the delivery...

18/3,K/25 (Item 16 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00456593

**REGISTRY MANAGEMENT SYSTEM**  
**SYSTEME DE GESTION DE REGISTRES**

Patent Applicant/Assignee:

R2K LLC,  
YIEN Richard,  
RUBINO Joseph,  
SABIN Todd,  
DUDA Jacek,  
POLIVKA Andrej,

Inventor(s):

YIEN Richard,  
RUBINO Joseph,  
SABIN Todd,  
DUDA Jacek,  
POLIVKA Andrej,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9847057 A2 19981022  
Application: WO 98US7495 19980414 (PCT/WO US9807495)  
Priority Application: US 9743643 19970414

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GW HU  
ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ  
PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH GM KE  
LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR  
GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 7880

Main International Patent Class: **G06F-013/00**

Fulltext Availability:

Detailed Description

Detailed Description

... According to the disclosed invention, information regarding each computer 14 is collected and stored in **configuration** database 20. Such information includes **computer** identity, group names, current Registry settings within each computer 14, and linking information which links...

...String The NT name of the computer or the group name

Each computer 14 or **group** of computers 14 within network 12 includes an **entry** in this **table** .

2. Links

The Links Table is used to define which computers or groups are contained ...current Registry settings of each computer 14. As differences between the Registry settings of each **computer** and the Registry settings occur, **configuration** management system 10 identifies the differences between the AH list and the SH list to reconcile the **computer configuration** with the **configuration** management settings of network 12.

As shown in Fig. 6, configuration management system 10 performs the steps of getting a record of the settings from computers 14 and **groups table**



in step 34; **checking** if **TYPE** = **GROUP** in the record in step 36;  
skipping the record in step 38 if the TYPE...

Set	Items	Description
S1	3558199	DICTIONAR??? OR LIST??? OR TABLE? ? OR MATRIX OR MATRICES - OR ARRAY? ? OR DATA()STRUCTURE? ?
S2	1273716	RECORD? ? OR ENTRY OR ENTRIES OR ITEM? ?
S3	502210	INQUIR??? OR ENQUER??? OR QUER??? OR INSTRUCTION? ?
S4	6822249	POLL? ? OR POLLING OR POLLED OR CHECK??? OR TEST??? OR VER- IF????
S5	4846031	CENTRAL???? OR SHARE? ? OR SHARING OR COMMON?? OR HOST? ?
S6	2488439	NETWORK? ? OR WAN OR LAN
S7	4959396	COMPUTER? ? OR PC OR WORKSTATION? ? OR WORK()STATION? ? OR MICROCOMPUTER? ?
S8	2917601	NODE? ? OR DEVICE? ? OR CLIENT? ?
S9	14650050	STATE? ? OR CONDITION? ? OR CONFIGUR?????? OR STATUS??
S10	250917	S8(5N) ("ON" OR OFF OR BUSY)
S11	222725	(PRESENT OR PRESENCE OR EXIST???? OR DISTRIBUT??? OR CONFI- GUR?????? OR UPDAT???) (3N) (FILE? ? OR PROGRAM? ? OR SOFTWARE - OR APPLICATION? ?)
S12	7322296	GROUP? ? OR ORGANIZ????? OR ARRANG????? OR CLASSIF???????
S13	8364317	SUBJECT? ? OR CATEGOR????????? OR TYPE? ? OR TOPIC? ? OR CL- ASS??
S14	82719	S1(3N)S2:S4
S15	264332	(INFORMATION OR S9) (2N) (GATHER??? OR COLLECT??? OR S3 OR S- 4)
S16	484595	S9:S11(5N)S7:S8
S17	350475	S2:S4(5N)S12:S13
S18	9	S14 AND S15 AND S16 AND S17
S19	7	RD (unique items)
S20	178	S14 AND S15 AND S6
S21	89	S14 AND S15 AND S16
S22	257	S19:S21
S23	92	S22 AND S12:S13
S24	85	S23 NOT S19
S25	65	RD (unique items)
S26	56	S25 NOT PY=1999:2002
S27	40	S26 NOT PY=2003:2005
S28	27	S27 AND S6
S29	1	S25 AND PY=1999
S30	89602	NETWORK(2N) (MONITOR??? OR STATE? ? OR MANAG????? OR POLL??- ?)
S31	1509	S30 AND S15
S32	12	S31 AND S14
S33	12782	S11(10N)S6
S34	2630	S14(3N)S12:S13
S35	0	S33 AND S34
S36	20	S33 AND S14
S37	20	S36 NOT (S19 OR S24 OR S28 OR S32)
S38	18	RD (unique items)
S39	13	S38 NOT PY=2000:2005
File	2:INSPEC 1898-2005/Oct W5	(c) 2005 Institution of Electrical Engineers
File	6:NTIS 1964-2005/Oct W5	(c) 2005 NTIS, Intl Cpyrght All Rights Res
File	8:EI Compendex(R) 1970-2005/Oct W5	(c) 2005 Elsevier Eng. Info. Inc.
File	34:SciSearch(R) Cited Ref Sci 1990-2005/Oct W5	(c) 2005 Inst for Sci Info
File	35:Dissertation Abs Online 1861-2005/Oct	(c) 2005 ProQuest Info&Learning
File	65:Inside Conferences 1993-2005/Nov W1	(c) 2005 BLDSC all rts. reserv.

File 94:JICST-EPlus 1985-2005/Sep W1  
(c)2005 Japan Science and Tech Corp(JST)  
File 99:Wilson Appl. Sci & Tech Abs 1983-2005/Oct  
(c) 2005 The HW Wilson Co.  
File 111:TGG Natl.Newspaper Index(SM) 1979-2005/Nov 07  
(c) 2005 The Gale Group  
File 144:Pascal 1973-2005/Oct W5  
(c) 2005 INIST/CNRS  
File 239:Mathsci 1940-2005/Dec  
(c) 2005 American Mathematical Society  
File 256:TecInfoSource 82-2005/Feb  
(c) 2005 Info.Sources Inc  
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
(c) 2002 The Gale Group  
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File 475:Wall Street Journal Abs 1973-2005/Nov 08  
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32/5/5 (Item 1 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
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04905782 E.I. No: EIP98014000430

**Title:** Passive testing and applications to network management  
**Author:** Lee, David; Netravali, Arun N.; Sabnani, Krishan K.; Sugla, Binay  
; John, Ajita  
**Corporate Source:** Bell Lab  
**Conference Title:** Proceedings of the 1997 International Conference on  
Network Protocols  
**Conference Location:** Atlanta, GA, USA **Conference Date:**  
19971028-19971031  
**Sponsor:** IEEE  
**E.I. Conference No.:** 47577  
**Source:** International Conference on Network Protocols 1997. IEEE Comp  
Soc, Los Alamitos, CA, USA, 97TB100174. p 113-122  
**Publication Year:** 1997  
**CODEN:** 85QDAI  
**Language:** English  
**Document Type:** CA; (Conference Article) **Treatment:** T; (Theoretical)  
**Journal Announcement:** 9803W1

**Abstract:** An important aspect of **network management** is fault management - determining, locating, isolating and correcting faults in the network. This paper deals with the algorithms for detecting faults, i.e., behavior of the network different from specifications. It is important for communication networks to detect faults 'in-process' i.e., while the network is in its normal operation. Thus, we detect faults by examining the input-output behavior without forcing the system to specialized inputs explicitly for testing. Such testing is commonly called passive testing. We model the network as a finite state machine and develop procedures for passive **testing** including the required **data structure**, efficient implementations and the complexity of our procedures. We start with fully observable and deterministic machines and then study more realistic models: partially observable and nondeterministic machines. We also discuss extensions to communicating finite state machines and machines extended with parameters and variables. We apply our techniques to management of a signaling network operating under the Signaling System 7 (SS7) and report experimental results, which show the feasibility of applying passive testing to practical systems. (Author abstract) 33 Refs.

**Descriptors:** \*Network protocols; Telecommunication networks; Information management; Error detection; Algorithms; Digital computers; Data structures

**Identifiers:** **Network management**; **Fault management**; **Passive testing**; **Finite state machine**

**Classification Codes:**

716.1 (Information & Communication Theory); 721.1 (Computer Theory, Includes Formal Logic, Automata Theory, Switching Theory, Programming Theory); 723.2 (Data Processing); 722.4 (Digital Computers & Systems)

716 (Radar, Radio & TV Electronic Equipment); 721 (Computer Circuits & Logic Elements); 723 (Computer Software); 722 (Computer Hardware)

71 (ELECTRONICS & COMMUNICATIONS); 72 (COMPUTERS & DATA PROCESSING)

28/5/20 (Item 6 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
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04464233 E.I. No: EIP96083272714

**Title: Relational model for distributed systems monitoring using flexible agents**

Author: Conradie, Leander; Mountzia, Maria-Athina

Corporate Source: Technical Univ of Munich, Munich, Ger

Conference Title: Proceedings of the 1996 3rd International Workshop on Services in Distributed and Networked Environments

Conference Location: Macau, Macao Conference Date: 19960603-19960604

Sponsor: IEEE

E.I. Conference No.: 45088

Source: Proceedings of the International Workshop on Services in Distributed and Networked Environments 1996. IEEE, Los Alamitos, CA, USA, 96TB100059. p 10-17

Publication Year: 1996

CODEN: 85OYA3

Language: English

Document Type: CA; (Conference Article) Treatment: T; (Theoretical)

Journal Announcement: 9610W1

Abstract: Monitoring of distributed systems for management purposes is a complex task aggravated by heterogeneity and distribution of resources and tools. This paper presents a method for monitoring distributed systems by applying concepts from the field of relational database. The user may request information from the entire **network** by means of simple relational queries which are automatically optimized and implemented with flexible agents. This approach solves a large **class** of problems, adapts well to changes in the **network**, is not dependent on a central site and presents a usable example of flexible agent technology. The approach is illustrated by means of examples in service and systems management. (Author abstract) 16 Refs.

Descriptors: \*Distributed computer systems; Relational database systems; **Data structures**; **Information** management; **Query** languages; Computer **networks**; Software prototyping; Optimization; Management; Telecommunication services

Identifiers: Distributed systems monitoring; Relational model; Flexible agents; **Network** and systems management

Classification Codes:

722.4 (Digital Computers & Systems); 723.3 (Database Systems); 723.2 (Data Processing); 722.3 (Data Communication, Equipment & Techniques); 723.1 (Computer Programming); 921.5 (Optimization Techniques)

722 (Computer Hardware); 723 (Computer Software); 921 (Applied Mathematics)

72 (COMPUTERS & DATA PROCESSING); 92 (ENGINEERING MATHEMATICS)

39/5/3 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

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04955003 INSPEC Abstract Number: B91058632, C91053053

**Title: An experiment on measuring application performance over the Internet**

Author(s): Pu, C.; Korz, F.; Lehman, R.C.

Author Affiliation: Dept. of Comput. Sci., Columbia Univ., New York, NY, USA

Journal: Performance Evaluation Review vol.19, no.1, spec. issue.  
p.220-1

Publication Date: May 1991 Country of Publication: USA

CODEN: PEREDN ISSN: 0163-5999

U.S. Copyright Clearance Center Code: 0163-5999/91/0005/0220\$1.50

Conference Title: 1991 ACM SIGMETRICS Conference on Measurement and Modeling of Computer Systems

Conference Sponsor: ACM

Conference Date: 21-24 May 1991 Conference Location: San Diego, CA, USA

Language: English Document Type: Conference Paper (PA); Journal Paper (JP)

Treatment: Practical (P)

Abstract: The use of wide area networks (WANs) such as the Internet is growing at a tremendous rate. Such **networks** hold great promise for new types of **distributed applications**. Developing such **applications** will require a solid understanding of the performance and availability characteristics of WANs as they evolve. However there are many difficulties in assessing WAN performance. The authors have found some of these difficulties during their three-year experience in measuring Camelot distributed transactions between Columbia and CMU, and Webster **dictionary queries** between Columbia and the University of Washington. They have developed the layered refinement (LR) methodology to cope with these and other problems in doing measurements in a WAN. The LR methodology used to measure application performance and availability in a WAN, consists of three steps. First, divide the application into layers and design measurements for the important layers. Second, collect data simultaneously and continually on each important layer. Third, iterate as many times as necessary the analysis and refinement of measured data to improve precision. (2 Refs)

Subfile: B C

Descriptors: computer networks; distributed databases; performance evaluation; transaction processing

Identifiers: application performance; wide area networks; Internet; distributed applications; availability characteristics; WAN performance; Camelot distributed transactions; Webster **dictionary queries**; layered refinement; LR methodology

Class Codes: B6210L (Computer communications); C5620W (Other networks); C5470 (Performance evaluation and testing); C6160B (Distributed DBMS); C6130 (Data handling techniques)